

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: January 29, 2002, 20:58:57 ; Search time 166.69 Seconds
(Without alignments)
200.586 Million cell updates/sec

Title: US-09-432-546-15

Perfect score: 39

Sequence: 1 agagatggccttggtgcttgaatgaccttatt 39

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 930621 seqs, 428662619 residues

Total number of hits satisfying chosen parameters: 1861242

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : N_Geneseq_1101:*

1: /SID52/gcgdata/geneseq/geneseq/NA1980.DAT:*
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19: /SID52/gcgdata/geneseq/geneseq/NA1998.DAT:*
20: /SID52/gcgdata/geneseq/geneseq/NA1999.DAT:*
21: /SID52/gcgdata/geneseq/geneseq/NA2000.DAT:*
22: /SID52/gcgdata/geneseq/geneseq/NA2001.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	39	100.0	39	AAA28510	Rev4 coding sequen
2	39	100.0	207	AAA28519	PCRTL DNA coding s
3	38	97.4	52	AAA28512	Primer RIL 3' Sact
4	37	94.9	52	AAA28514	Pro-magalinin codin
5	22.4	57.4	994	AA212668	Human breast and o
6	22	56.4	315	AAC44240	Arabidopsis thalia
7	22	56.4	322	AAC45388	Arabidopsis thalia
8	22	56.4	506	AAC44352	Arabidopsis thalia
9	22	56.4	551	AAC40689	Arabidopsis thalia
10	22	56.4	556	AAC52162	Arabidopsis thalia
11	22	56.4	585	AAC40427	Arabidopsis thalia

12	56.4	608	21	AAC45992	Arabidopsis thalia
13	56.4	612	21	AAC38633	Arabidopsis thalia
14	56.4	660	21	AAC44242	Arabidopsis thalia
15	56.4	775	21	AAC44252	Arabidopsis thalia
16	55.9	564	21	AAC35530	Arabidopsis thalia
17	55.4	2032	20	AAC37249	Human 3-OST-3B enc
18	55.4	2314	20	AAC37248	Human 3-OST-3A enc
19	55.4	2808	22	AAH18170	Human cDNA sequenc
20	54.9	69	21	AAZ40246	Oligonucleotide fo
21	54.9	869	21	AAH14932	Trichoderma reesei
22	54.9	1605	20	AAV72114	Xenopus laevis FAS
23	54.4	542	21	AAC94981	Cat flea hindgut a
24	54.4	2135	21	AAH89442	Entire corn dihydr
25	53.8	290	14	AAO60364	Human brain expres
26	53.8	208	22	AAH30258	Murine CDNA encodi
27	53.8	281	20	AAE07215	Human lung tumour
28	53.8	2581	21	AAH79088	Human lung tumour-
29	53.3	134	22	AAI21173	Probe #11106 for g
30	53.3	134	22	AAI46441	Probe #15127 used t
31	53.3	134	22	AAI06888	Probe #6879 used t
32	53.3	381	22	AAI20840	Probe #10773 for g
33	53.3	381	22	AAI46078	Probe #14764 used t
34	53.3	381	22	AAI06552	Probe #6543 used t
35	53.3	391	22	AAI20942	Probe #10875 for g
36	53.3	391	22	AAI46186	Probe #14872 used t
37	53.3	391	22	AAI06653	Probe #6644 used t
38	53.3	407	22	AAI27243	Probe #17176 for g
39	53.3	407	22	AAI56101	Probe #24787 used t
40	53.3	421	22	AAI14435	Probe #4368 for ge
41	53.3	421	22	AAI35808	Probe #4494 used t
42	53.3	421	22	AAI04258	Probe #4249 used t
43	53.3	425	22	AAI23637	Probe #13570 for g
44	53.3	425	22	AAI48948	Probe #17634 used t
45	53.3	425	22	AAI09252	Probe #9243 used t

ALIGNMENTS

RESULT 1	
AAA28510	AAA28510 standard; DNA; 39 BP.
12	AAA28510;
AC	29-AUG-2000 (first entry)
XX	Rev4 coding sequence.
XX	Magalinin; antimicrobial; transgenic plant; protease degradation; Rev4;
KW	Indolicidin; protein production; reverse peptide; ss.
XX	Synthetic.
OS	WO200026344-A1.
XX	11-MAY-2000.
PD	29-OCT-1999; 99WO-US25561.
XX	30-OCT-1998; 98US-0106373.
PR	02-NOV-1998; 98US-0106537.
XX	(INTE-) INTERLINK BIOTECHNOLOGIES LLC.
PA	(KENT) UNIV KENTUCKY RES FOUND.
XX	Everett NP, Li Q, Lawrence C, Davies MH;
PI	WPI: 2000-365597/31.
XX	P-PSDB; AA92796.
DR	Polypeptides for reducing proteolytic degradation of proteins
XX	administered to, or produced by a plant comprise indolicidin or its
PT	

PT	functional equivalents
XX	
PS	Claim 30; Page 35; 50pp; English.
CC	Indolicidin is a potent antimicrobial tridecapeptide, originally
CC	purified from cytoplasmic granules of bovine neutrophils. Reverse
CC	peptide, Rev4 of indolicidin (see AAY92794) was found to have increased
CC	stability against plant protease degradation. Expression of antimicrobial
CC	peptides in transgenic plants suffers a major limitation in that the
CC	foreign peptides are susceptible to rapid degradation by proteases. The
CC	invention concerns reducing the extent of protease degradation of a
CC	protein applied to, or produced by a plant by administering indolicidin,
CC	Rev4 or a functional equivalent to the plant. Transgenic plants
CC	expressing indolicidin and Rev4 are useful for production of the
CC	antimicrobial peptides. Compositions containing indolicidin and Rev4 are
CC	also useful for production of agronomically important proteins in
CC	plants.
XX	
SQ	Sequence 39 BP; 7 A; 7 C; 13 G; 12 T; 0 other;
QY	
Db	1 aggaagatgccttgatgacctggaaatggcctcttatt 39 1 aggaagatgccttgatgacctggaaatggcctcttatt 39
RESULT 2	
AAA28519	
ID AAA28519	standard; DNA; 207 BP.
AC AAA28519;	
DT 29-AUG-2000	(first entry)
XX	
DE PCRIL DNA coding sequence.	
XX	
KW Magainin; antimicrobial; transgenic plant; protease degradation; Rev4;	
KM indolicidin; protein production; reverse peptide; ss.	
OS Synthetic.	
XX	
PN WO200026344-A1.	
PD 11-MAY-2000.	
PF 29-OCT-1999;	99WO-US25561.
XX	
PR 30-OCT-1998;	98US-0106373.
PR 02-NOV-1998;	98US-0106537.
XX	
PA (INTE-) INTERLINK BIOTECHNOLOGIES LLC.	
PA (KENT) UNIV KENTUCKY RES FOUND.	
XX	
PI Everett NP; LH O; Lawrence C; Davies MH;	
DR WPI; 2000-365597/31.	
P--PSDB; AAY92840.	
PT Polypeptides for reducing proteolytic degradation of proteins	
PT administered to, or produced by a plant comprise indolicidin or its	
PT functional equivalents	
XX	
PS Example 17; Page 35; 50pp; English.	
XX	
CC Indolicidin is a potent antimicrobial tridecapeptide, originally	
CC purified from cytoplasmic granules of bovine neutrophils. Reverse	
CC peptide, Rev4 of indolicidin (see AAY92794) was found to have increased	
CC stability against plant protease degradation. Expression of antimicrobial	
CC peptides in transgenic plants suffers a major limitation in that the	
CC foreign peptides are susceptible to rapid degradation by proteases. The	
CC invention concerns reducing the extent of protease degradation of a	
CC protein applied to, or produced by a plant by administering indolicidin,	
CC Rev4 or a functional equivalent to the plant. Transgenic plants	
CC expressing indolicidin and Rev4 are useful for production of the	
CC antimicrobial peptides. Compositions containing indolicidin and Rev4 are	
CC also useful for production of agronomically important proteins in	
CC plants.	

Query Match	100.0%;	Score 39;	DB 21;	Length 207;
Best Local Similarity	100.0%;	Pred. No. 5,4e-06;		
Matches 39;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0
Oy	1	aggagatgccttgctgcttggaatgcctcttatt 39		
Db	166	aggagatgccttgctgcttggaatgcctcttatt 204		
RESULT 3				
AAA28512/c				
ID	AAA28512	standard;	DNA;	52 BP.
AC	AAA28512;			
XX				
DT	29-AUG-2000	(first entry)		
XX				
DE	Primer R1L 3' SacI for tobacco PR-1b signal peptide coding sequence.			
XX				
KW	Magnatin; antimicrobial; transgenic plant; protease degradation; Rev4;			
XX	indolicidin; protein production; reverse peptide; primer; ss.			
OS	Nicotiana tabacum.			
PN	WO200026344-A1.			
PD	11-MAY-2000.			
PE	29-OCT-1999;	99WO-US25561.		
XX				
PR	30-OCT-1998;	98US-0106373.		
XX	02-NOV-1998;	98US-0106537.		
PA	(INTE-) INTERLINK BIOTECHNOLOGIES LLC.			
XX	(KENT) UNIV KENTUCKY RES FOUN.			
PI	Everett NP, Li Q, Lawrence C, Davies MH;			
XX				
DR	WPI: 2000-365597/31.			
XX				
PT	Polypeptides for reducing proteolytic degradation of proteins			
XX	administered to, or produced by a plant comprise indolicidin or its			
PT	functional equivalents			
XX				
PS	Example 15; Page 35; 50pp; English.			
XX				
CC	AAA28512-13 are primers used to introduce a secretion signal peptide			
CC	from tobacco PR-1b to R1L (encoding Rev4) to facilitate secretion of Rev4			
CC	into the extracellular space of plant tissues where invading pathogens			
CC	might be first encountered. Indolicidin is a potent antimicrobial			
CC	tridecapeptide, originally purified from cytoplasmic granules of bovine			
CC	neutrophils. Reverse peptide, Rev4 of indolicidin (see AY92794) was			
CC	found to have increased stability against plant protease degradation.			
CC	Expression of antimicrobial peptides in transgenic plants suffers a			
CC	major limitation in that the foreign peptides are susceptible to rapid			
CC	degradation by proteases. The invention concerns reducing the extent of			
CC	protease degradation of a protein applied to, or produced by a plant by			
CC	administering indolicidin, Rev4 or a functional equivalent to the plant.			
CC	Transgenic plants expressing indolicidin and Rev4 are useful for			
CC	production of the antimicrobial peptides. Compositions containing			
CC	indolicidin and Rev4 are also useful for production of agronomically			
CC	foreign peptides are susceptible to rapid degradation by proteases. The			
CC	invention concerns reducing the extent of protease degradation of a			
CC	protein applied to, or produced by a plant by administering indolicidin,			
CC	Rev4 or a functional equivalent to the plant. Transgenic plants			
CC	expressing indolicidin and Rev4 are useful for production of the			
CC	antimicrobial peptides. Compositions containing indolicidin and Rev4 are			
CC	also useful for production of agronomically important proteins in			
CC	plants.			
XX				
XX				
XX	Sequence 207 BP; 49 A; 50 C; 36 G; 72 T; 0 other;			

CC Important proteins in plants.
 XX
 SO Sequence 52 BP; 15 A; 16 C; 11 G; 10 T; 0 other;

Query Match 97.4%; Score 38; DB 21; Length 52;
 Best Local Similarity 100.0%; Pred. No. 9.8e-06;
 Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 gagatgacctgtgtgaccttggaatgaccttatt 39
 |||
 DB 52 GGAGATGGCCTTGCTGGCTTGGGAATGGCCTCTTATT 15

RESULT 4
 AAA28514/c
 ID AAA28514 standard; DNA; 52 BP.
 AC AAA28514;
 DT 29-AUG-2000 (first entry)
 XX
 DE Pro-magalinin coding sequence.
 XX
 KW Magalinin; antimicrobial; transgenic plant; protease degradation; Rev4;
 KM Indolicidin; protein production; reverse peptide; primer; ss.
 XX
 OS Rana pliens.
 XX
 PN WO200026344-A1.
 PD 11-MAY-2000.
 XX
 PF 29-OCT-1999; 99WO-US25561.
 XX
 PR 30-OCT-1998; 98US-0106373.
 PR 02-NOV-1998; 98US-0106537.
 XX
 PA (INTE-) INTERLINK BIOTECHNOLOGIES LLC.
 PA (KENT) UNIV KENTUCKY RES FOUND.
 PI Everett NP, Li Q, Lawrence C, Davies MH;
 XX
 DR WPI: 2000-365597/31.
 PT Polypeptides for reducing proteolytic degradation of proteins
 PT administered to, or produced by a plant comprise indolicin or its
 PT functional equivalents
 XX
 PS Example 16; Page 35; 50pp; English.

A gene (Pre-Pro-RIL) encoding a reverse indolicidin peptide, Rev4, for
 secretion in plants was constructed using a pro-sequence based on that
 found in natural magalinin genes. The pro-sequence was linked to Rev4
 through a His-Ser motif that corresponds to the site at which plant
 extracellular proteases cleave natural magalins. Rev4 was found to have
 increased stability against plant protease degradation. Expression of
 antimicrobial peptides in transgenic plants suffers a major limitation in
 that the foreign peptides are susceptible to rapid degradation by
 proteases. The invention concerns reducing the extent of protease
 degradation of a protein applied to, or produced by a plant by
 administering indolicidin, Rev4 or a functional equivalent to the plant.
 Transgenic plants expressing indolicidin and Rev4 are useful for
 production of the antimicrobial peptides. Compositions containing
 indolicidin and Rev4 are also useful for production of agronomically
 important proteins in plants.
 CC
 CC
 CC Sequence 52 BP; 17 A; 14 C; 10 G; 11 T; 0 other;

Query Match 94.9%; Score 37; DB 21; Length 52;
 Best Local Similarity 100.0%; Pred. No. 2.4e-05;
 Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 3 gagatgacctgtgtgaccttggaatgaccttatt 39
 |||
 DB 52 GGAGATGGCCTTGCTGGCTTGGGAATGGCCTCTTATT 16

RESULT 5
 AAF21668/c
 ID AAF21668 standard; DNA; 994 BP.

AC AAF21668;
 DT 27-MAR-2001 (first entry)
 XX
 DE Human breast and ovarian cancer associated antigen gene SEQ ID 55.

XX Human; breast cancer; ovarian cancer; cytostatic; immunosuppressive;
 KW nootropic; neuroprotective; antiviral; antiallergic; hepatotropic;
 KW antidiabetic; antiinflammatory; antitumor; vulnery; anticonvulsant;
 KW antibacterial; antifungal; antiparasitic; cardiac; immune disorder;
 KW Addison's disease; allergy; autoimmune haemolytic anaemia;
 KW autoimmune thyroiditis; diabetes mellitus; Crohn's disease;
 KW multiple sclerosis; rheumatoid arthritis; ulcerative colitis;
 KW cardiovascular disorder; wound healing; neurological disease; ds.
 XX
 OS Homo sapiens.
 XX
 PN WO200055173-A1.
 PD 21-SEP-2000.
 XX
 PF 08-MAR-2000; 2000WO-US05881.
 XX
 PR 12-MAR-1999; 99US-0124270.
 XX
 PA (HUMA-) HUMAN GENOME SCI INC.
 PA Rosen CA, Ruben SM;
 PI P-PSDB; AAB58765.
 XX
 DR WPI: 2000-611515/58.
 DR P-PSDB; AAB58765.

XX New human breast and ovarian cancer associated gene sequences and the
 PT polypeptides encoded by these genes, useful in the prevention,
 PT treatment and diagnosis of cancer, immune disorders, cardiovascular
 PT disorders and neurological diseases
 XX
 PS Claim 1; Page 520; 1299pp; English.

CC Sequences AAF21614 - AAF22031 represent DNA sequences encoding human
 CC proteins AAB58711 - AAB59128. The DNA and protein sequences are
 CC associated with breast and ovarian cancer. Included in the invention are
 CC sequences AAF22032 - AAF22040 and AAB59129 which are used in the
 CC isolation and characterisation of the DNA and protein sequences of the
 CC invention. The breast and ovarian cancer associated DNA, protein, agonist
 CC or antagonist sequences exhibit cytostatic; immunosuppressive;
 CC nootropic; neuroprotective; antiviral; antiallergic; hepatotropic;
 CC antidiabetic; antiinflammatory; antitumor; vulnery; anticonvulsant;
 CC antibacterial; antifungal; antiparasitic and cardiac activity. The
 CC polynucleotide and protein sequences are used in the diagnosis of cancer,
 CC particularly breast and ovarian cancer. The nucleic acid sequences,
 CC proteins, agonists and antagonists may also be used in the diagnosis,
 CC prevention and treatment of immune disorders e.g. Addison's disease,
 CC allergies, autoimmune haemolytic anaemia, autoimmune thyroiditis,
 CC diabetes mellitus, Crohn's disease, multiple sclerosis, rheumatoid
 CC arthritis and ulcerative colitis; cardiovascular disorders such as
 CC myocardial ischaemia; wound healing; neurological diseases such as
 CC cerebral anoxia and epilepsy; and infectious diseases.
 CC
 CC
 CC Sequence 994 BP; 217 A; 298 C; 290 G; 184 T; 5 other;

Query Match 57.4%; Score 22.4; DB 21; Length 994;

Best Local Similarity 81.2%; Pred. No. 17;
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 5 gatggccttggtgcttggaatgacctt 36
Db 432 GATGGCCATGATGCATGCGAATGTCCTT 401

RESULT 6

AAC44240
AAC44240 standard; DNA: 315 BP.

AAC44240;

18-OCT-2000 (first entry)

Arabidopsis thaliana DNA fragment SEQ ID NO: 42138.

Hybridisation assay; genetic mapping; gene expression control;

protein identification; signal transduction pathway;

metabolic pathway; promoter; termination sequence; ss.

Arabidopsis thaliana.

EP1033405-A2.

06-SEP-2000.

25-FEB-2000; 2000EP-0301439.

XX 25-FEB-1999; 99US-0121825.
PR 05-MAR-1999; 99US-0123180.
PR 09-MAR-1999; 99US-0123548.
PR 23-MAR-1999; 99US-0125788.
PR 25-MAR-1999; 99US-0126264.
PR 29-MAR-1999; 99US-0126785.
PR 01-APR-1999; 99US-0127462.
PR 06-APR-1999; 99US-0128234.
PR 08-APR-1999; 99US-0128714.
PR 16-APR-1999; 99US-0129845.
PR 19-APR-1999; 99US-0130077.
PR 21-APR-1999; 99US-0130449.
PR 23-APR-1999; 99US-0130510.
PR 23-APR-1999; 99US-0130891.
PR 28-APR-1999; 99US-0131449.
PR 30-APR-1999; 99US-0132048.
PR 04-MAY-1999; 99US-0132407.
PR 05-MAY-1999; 99US-0132485.
PR 06-MAY-1999; 99US-0132486.
PR 06-MAY-1999; 99US-0132487.
PR 07-MAY-1999; 99US-0132863.
PR 11-MAY-1999; 99US-0134256.
PR 14-MAY-1999; 99US-0134218.
PR 14-MAY-1999; 99US-0134219.
PR 14-MAY-1999; 99US-0134221.
PR 14-MAY-1999; 99US-0134370.
PR 18-MAY-1999; 99US-0134768.
PR 19-MAY-1999; 99US-0134941.
PR 20-MAY-1999; 99US-0135124.
PR 21-MAY-1999; 99US-0135353.
PR 24-MAY-1999; 99US-0135629.
PR 25-MAY-1999; 99US-0136021.
PR 27-MAY-1999; 99US-0136392.
PR 28-MAY-1999; 99US-0136782.
PR 01-JUN-1999; 99US-0137222.
PR 03-JUN-1999; 99US-0137528.
PR 04-JUN-1999; 99US-0137502.
PR 07-JUN-1999; 99US-0137724.
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PR 10-JUN-1999; 99US-0138540.
PR 10-JUN-1999; 99US-0138847.
PR 14-JUN-1999; 99US-0139119.

PR 16-JUN-1999; 99US-0139452.
PR 16-JUN-1999; 99US-0139453.
PR 17-JUN-1999; 99US-0139492.
PR 18-JUN-1999; 99US-0139454.
PR 18-JUN-1999; 99US-0139455.
PR 18-JUN-1999; 99US-0139456.
PR 18-JUN-1999; 99US-0139457.
PR 18-JUN-1999; 99US-0139458.
PR 18-JUN-1999; 99US-0139459.
PR 18-JUN-1999; 99US-0139460.
PR 18-JUN-1999; 99US-0139461.
PR 18-JUN-1999; 99US-0139462.
PR 18-JUN-1999; 99US-0139463.
PR 18-JUN-1999; 99US-0139750.
PR 21-JUN-1999; 99US-0139763.
PR 22-JUN-1999; 99US-0139817.
PR 23-JUN-1999; 99US-0140353.
PR 23-JUN-1999; 99US-0140354.
PR 24-JUN-1999; 99US-0140685.
PR 28-JUN-1999; 99US-0140823.
PR 29-JUN-1999; 99US-0140991.
PR 30-JUN-1999; 99US-0141287.
PR 01-JUL-1999; 99US-0141842.
PR 01-JUL-1999; 99US-0142154.
PR 02-JUL-1999; 99US-0142055.
PR 06-JUL-1999; 99US-0142380.
PR 08-JUL-1999; 99US-0142803.
PR 09-JUL-1999; 99US-0142920.
PR 12-JUL-1999; 99US-0142977.
PR 13-JUL-1999; 99US-0143542.
PR 14-JUL-1999; 99US-0143624.
PR 15-JUL-1999; 99US-0144005.
PR 16-JUL-1999; 99US-0144085.
PR 16-JUL-1999; 99US-0144086.
PR 19-JUL-1999; 99US-0144325.
PR 19-JUL-1999; 99US-0144331.
PR 19-JUL-1999; 99US-0144332.
PR 19-JUL-1999; 99US-0144333.
PR 19-JUL-1999; 99US-0144334.
PR 19-JUL-1999; 99US-0144335.
PR 20-JUL-1999; 99US-0144632.
PR 20-JUL-1999; 99US-0144684.
PR 21-JUL-1999; 99US-0144814.
PR 21-JUL-1999; 99US-0145086.
PR 21-JUL-1999; 99US-0145088.
PR 22-JUL-1999; 99US-0145085.
PR 22-JUL-1999; 99US-0145087.
PR 22-JUL-1999; 99US-0145089.
PR 22-JUL-1999; 99US-0145192.
PR 23-JUL-1999; 99US-0145145.
PR 23-JUL-1999; 99US-0145218.
PR 23-JUL-1999; 99US-0145224.
PR 26-JUL-1999; 99US-0145276.
PR 27-JUL-1999; 99US-0145913.
PR 27-JUL-1999; 99US-0145918.
PR 27-JUL-1999; 99US-0145919.
PR 28-JUL-1999; 99US-0145951.
PR 28-AUG-1999; 99US-0146386.
PR 02-AUG-1999; 99US-0146388.
PR 02-AUG-1999; 99US-0146389.
PR 03-AUG-1999; 99US-0147038.
PR 04-AUG-1999; 99US-0147204.
PR 04-AUG-1999; 99US-0147302.
PR 05-AUG-1999; 99US-0147192.
PR 05-AUG-1999; 99US-0147260.
PR 06-AUG-1999; 99US-0147303.
PR 06-AUG-1999; 99US-0147416.
PR 09-AUG-1999; 99US-0147493.
PR 09-AUG-1999; 99US-0147935.
PR 10-AUG-1999; 99US-0148171.
PR 11-AUG-1999; 99US-0148319.

PR 12-AUG-1999; 99US-0148341.
 PR 13-AUG-1999; 99US-0148565.
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 PR 16-AUG-1999; 99US-0149368.
 PR 17-AUG-1999; 99US-0149175.
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 PR 20-AUG-1999; 99US-0149722.
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 PR 20-AUG-1999; 99US-0149929.
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 PR 25-AUG-1999; 99US-0150566.
 PR 26-AUG-1999; 99US-0150884.
 PR 27-AUG-1999; 99US-0151065.
 PR 27-AUG-1999; 99US-0151066.
 PR 27-AUG-1999; 99US-0151080.
 PR 30-AUG-1999; 99US-0151303.
 PR 31-AUG-1999; 99US-0151438.
 PR 01-SEP-1999; 99US-0151930.
 PR 07-SEP-1999; 99US-0152363.
 PR 10-SEP-1999; 99US-0153070.
 PR 13-SEP-1999; 99US-0153758.
 PR 15-SEP-1999; 99US-0154018.
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 PR 24-SEP-1999; 99US-0155659.
 PR 28-SEP-1999; 99US-0156458.
 PR 29-SEP-1999; 99US-0156596.
 PR 04-OCT-1999; 99US-0157117.
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 PR 06-OCT-1999; 99US-0157865.
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Query Match 56.4%; Score 22; DB 21; Length 315;
 Best Local Similarity 83.3%; Pred. No. 19;
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RESULT 7
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 DT 18-OCT-2000 (first entry)
 DE Arabidopsis thaliana DNA fragment SEQ ID NO: 46322.
 DE XX
 DE Hybridisation assay; genetic mapping; gene expression control;
 KW protein identification; signal transduction pathway;
 KW metabolic pathway; promoter; termination sequence; ss.
 OS Arabidopsis thaliana.
 OS XX
 PN EPI033405-A2.
 PD XX
 PD 06-SEP-2000.
 PF XX
 PF 25-FEB-2000; 2000EP-0301439.
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PR 29-OCT-1999; 99US-0162142.

Query Match 56.4%; Score 22; DB 21; Length 322;
Best Local Similarity 83.3%; Pred No. 19;

Matches 25; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 aggaagatgccttggtgcttggaatgg 30
DB 201 aggaagctgtcttggtgcttggaatgg 230

RESULT 8
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AC AAC44352;
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DT 18-OCT-2000 (first entry)
XX Arabidopsis thaliana DNA fragment SEQ ID NO: 42540.
XX Hybridisation assay; genetic mapping; gene expression control;
KW protein identification; signal transduction pathway;
KW metabolic pathway; promoter; termination sequence; ss.
XX Arabidopsis thaliana.
XX EPI033405-A2.
XX 06-SEP-2000.
XX 25-FEB-2000; 2000EP-0301439.
XX 25-FEB-1999; 99US-0121825.
PR 05-MAR-1999; 99US-0123180.
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PR 29-OCT-1999; 99US-0162142.

Query Match 56.4%; Score 22; DB 21; Length 506;
Best Local Similarity 83.3%; Pred. No. 21;
Matches 25; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 aggaatgcttgcgtgcctggaatg 30
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Db 220 aggaatgcttgcgtgcctggaatg 249

RESULT 9
ID AAC40689
AC AAC40689; DNA; 551 BP.
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XX 17-OCT-2000 (first entry)
DE Arabidopsis thaliana DNA fragment SEQ ID NO: 29206.
XX
XX Hybridisation assay; genetic mapping; gene expression control;
KW protein identification; signal transduction pathway;
KW metabolic pathway; promoter; termination sequence; ss.

XX Arabidopsis thaliana.
OS
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XX EP1033405-A2.
XX
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PD 06-SEP-2000.
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PF 25-FEB-2000; 2000EP-0301439.
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Query Match	Best Local Similarity	56.4%;	Score 22;	DB 21;	Length 612;
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KM	protein identification; signal transduction pathway;				
KW	metabolic pathway; promoter; termination sequence; ss.				
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OS	EP1033405-A2.				
XX	06-SEP-2000.				
XX	25-FEB-2000;	2000EP-0301439.			
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Query Match 56.4%; Score 22; DB 21; Length 660;
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RESULT 15
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DT 18-OCT-2000 (first entry)
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DE Arabidopsis thaliana DNA fragment SEQ ID NO: 42181.
XX
KW Hybridisation assay; genetic mapping; gene expression control;
KW protein identification; signal transduction pathway;
KW metabolic pathway; promoter; termination sequence; ss.
XX
OS Arabidopsis thaliana.
XX
PN EP1033405-A2.
XX
PD 06-SEP-2000.
XX
FE 25-FEB-2000; 2000EP-0301439.
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Query Match 56.4%; Score 22; DB 21; Length 775;

Best Local Similarity 83.3%; Pred. NO. 23; Mismatches 5; Indels 0; Gaps 0;

Matches 25; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

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Search completed: January 29, 2002, 21:53:19
Job time: 3262 sec